

KEPITAL® FG2010F

POM, 10% GF reinforced

KEPITAL® FG2010F is a 10% glass fiber reinforced grade for general injection molding.

Features high strength, high stiffness, high deflection temperature, and excellent creep resistance.

Suitable for applications requiring FDA certificate

Product information

Part Marking Code

> POM-GF10 <

ISO 11469

Typical mechanical properties

Stress at break, 5mm/min	100 MPa	ISO 527-1/-2
Strain at break, 5mm/min	3.5 %	ISO 527-1/-2
Flexural Modulus	4500 MPa	ISO 178
Flexural Strength	140 MPa	ISO 178
Charpy notched impact strength, 23°C	6 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	155 °C	ISO 75-1/-2

Electrical properties

Volume resistivity	1E12 Ohm.m	IEC 62631-3-1
Surface resistivity	1E16 Ohm	IEC 62631-3-2

Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1470 kg/m ³	ISO 1183